

**To:** Kirkland, Robert[kirkland.robert@epa.gov]  
**From:** Restivo, Angela  
**Sent:** Fri 8/7/2015 3:41:17 PM  
**Subject:** RE: San Juan River to Colorado River Region 8

Navajo Nation is considered to be Region 9.

**From:** Kirkland, Robert  
**Sent:** Friday, August 07, 2015 10:34 AM  
**To:** Brown, Jamesr; McCasland, Mark; Kosfisz, Angel; Garcia, David; Atkins, Blake; Foster, Althea; Restivo, Angela; Crossland, Ronnie  
**Subject:** San Juan River to Colorado River Region 8

Angel mentioned this to me before, and I just checked to confirm it again. The San Juan River continues into Utah, Region 8, where it flows into the Colorado River (Utah). Only then does it flow back south into Region 9. So Region 8 to Region 6 to Region 8 to Region 9.

Robert Kirkland

Physical Scientist (Environmental)

Surface Water Center Coordinator

USEPA Region 6, 6WQ-NI

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214-665-6798

"Here be dragons" Unknown author. A phrase used to fill the whitespace on early maps.

**From:** Brown, Jamesr

**Sent:** Friday, August 07, 2015 8:15 AM  
**To:** McCasland, Mark; Kirkland, Robert  
**Cc:** Kosfiszer, Angel; Garcia, David; Atkins, Blake; Foster, Althea; Restivo, Angela; Li, Corine  
**Subject:** RE: Update Gold King Mines-WQ action items

Thanks Mark.

I'll send this to Corine Li in Region 9.

Corine, There are several Region 9 tribal systems and infiltration galleries that could be impacted by the Gold King mine spill.

Jim

James R. Brown, P.G.

Associate Director

Source Water Protection Branch

Water Quality Protection Division

U.S. EPA Region 6

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Dallas, Texas 75202-2733

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<http://www.epa.gov/region6/water/index.htm>



**From:** McCasland, Mark  
**Sent:** Friday, August 07, 2015 8:12 AM  
**To:** Kirkland, Robert  
**Cc:** Kosfischer, Angel; Garcia, David; Brown, Jamesr; Atkins, Blake; Foster, Althea; Restivo, Angela  
**Subject:** RE: Update Gold King Mines-WQ action items

Attached are locational data for systems in New Mexico that are either state, Region 6 tribal or Region 9 tribal systems. I did not filter them for where they actually are as I figured plotting them will give enough information on whether or not they are in the affected areas.

“IG” are infiltration galleries that collect water from nearby surface sources via underground lateral lines. “SP” are springs that likely are not going to be of interest to us.

**From:** Kirkland, Robert  
**Sent:** Friday, August 07, 2015 7:37 AM  
**To:** Restivo, Angela  
**Cc:** Kosfischer, Angel; Garcia, David; Brown, Jamesr; McCasland, Mark; Atkins, Blake; Foster, Althea  
**Subject:** RE: Update Gold King Mines-WQ action items

Angela,

Can you get the intake/infiltration gallery locations from Region 9 and the Navajo Nation or HQ? Since the location info is restricted, we do not currently have access. I could try to pull everything off the Drinking Water Geoplatform Application, but it will take a lot of time.

Also, how far with dilution, response efforts, etc. is the plume expected to travel?

Thanks,

Robert Kirkland

Physical Scientist (Environmental)

Surface Water Center Coordinator

USEPA Region 6, 6WQ-NI

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**From:** Restivo, Angela

**Sent:** Thursday, August 06, 2015 7:14 PM

**To:** Garcia, David; Brown, Jamesr; Atkins, Blake; McCasland, Mark; Kirkland, Robert

**Cc:** Foster, Althea

**Subject:** Update Gold King Mines-WQ action items

Tomorrow morning at 9:30 am there will be an update call with R8. Same call in number as today's 3:30 meeting.

1) The REOC is wanting guidance from our Division on when the water quality of areas of the river impacted would rebound to levels acceptable for public health.

What would be most helpful would be estimated time of recovery as well as the standards for recreational activities.

It sounds like we might want to include representatives from some of our other branches to help answer these questions.

2) They would like to have a map that includes intakes and infiltration galleries into Region 9 and Navajo Nation territory.

3) They are also requesting travel times for all of these new points up to gauge 09371010. This would be based on R9/Navajo intakes. If we have difficulty accessing that information then travel times to each of the gauges would be helpful.

a. Bob they were wondering how current the stream flows that you used for the calculation were. It would be most helpful if we could have the travel time to the first gauge prior to the 9:30 meeting.

Thanks

Angela

**From:** Skibitski, Thomas, NMENV [<mailto:thomas.skibitski@state.nm.us>]  
**Sent:** Thursday, August 06, 2015 6:25 PM  
**To:** Foster, Althea  
**Cc:** Romero, Nora, NMENV; Crossland, Ronnie; Webster, Susan; Restivo, Angela  
**Subject:** RE: Gold King Mines

They are collecting the baseline samples on behalf of EPA. Analytes are as we discussed: TAL metals and Hg. Tomorrow we can coordinate their disposition – if you have EPA staff in the area we can assign COC to EPA and your staff can take possession of them, if you want us to send them out we need to coordinate.

TS

**From:** Foster, Althea [<mailto:Foster.Althea@epa.gov>]  
**Sent:** Thursday, August 06, 2015 5:21 PM  
**To:** Skibitski, Thomas, NMENV  
**Cc:** Romero, Nora, NMENV; Crossland, Ronnie; Webster, Susan; Restivo, Angela  
**Subject:** Re: Gold King Mines

Thomas,

Please clarify your postscript, do you plan to perform the analysis for these samples and if so what parameters will be analyzed.

Sent from my iPad

On Aug 6, 2015, at 6:01 PM, Skibitski, Thomas, NMENV <[thomas.skibitski@state.nm.us](mailto:thomas.skibitski@state.nm.us)> wrote:

Nora,

I expect to get that answer from EPA and if their drinking water folks do not contact you directly then I will forward to you anything I get. I've cc'd the EPA region 6 on this note to make them aware of your concern.

Thanks,

TS

PS, Farmington and Aztec WWTP lab techs will collect samples from the river this evening and refrigerate them over night.

TS

**From:** Romero, Nora, NMENV  
**Sent:** Thursday, August 06, 2015 3:39 PM  
**To:** Skibitski, Thomas, NMENV  
**Subject:** Gold King Mines

Tom,

Can tell me who will be contacting DWB when the Animas water quality is satisfactory for human consumption. Our public water systems will be looking to us for direction on when they will be able to open their intakes for supply.

Thanks,

Nora J. Romero

Drinking Water Bureau

New Mexico Environment Department

Phone: 505.222.9531

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